AUTHOR INDEX TO VOLUME 2

References with (E) are to Errata

ABRAHAM, M., M. A. H. McCAUSLAND, and F. N. H. ROBINSON. Dynamic nuclear polarization 449

AIROLDI, G., G. L. BACCHELLA, and E. GERMAGNOLI. Quenched-in lattice vacancies in copper 145

ALBURGER, D. E., A. ELWYN, A. GALLMANN, J. V. KANE, S. OFER, and R. E. PIXLEY. Search for an 80-msec activity in light nuclei 110

ALLARD, J. G. (see Etzel, H. W.) 452

ALLEN, J. S. (see Burman, R. L.) 9

ALLEN, T. K., WILLIAM R. BAKER, ROBERT V. PYLE, and JOHN M. WILCOX. Experimental generation of plasma Alfvén waves 383

ALMQVIST, E. (see Litherland, A. E.) 104

ALVAREZ, LUIS W., PHILIPPE EBERHARD, MYRON L. GOOD, WILLIAM GRAZIANO, HAROLD K. TICHO, and STANLEY G. WOJCICKI. Neutral cascade hyperon event 215

AMADO, R. D. Analysis of deuteron stripping experiments 399

AMBEGAOKAR, VINAY and WALTER KOHN. Connection between true effective mass and optical absorption in insulators 385

ANDERSON, C. E. (see Knox, W. J.) 402

ANDERSON, H. L., T. FUJII, R. H. MILLER, and L. TAU. Electron decay of the positive pion 53; 64(A)

ANDROES, G. M. and W. D. KNIGHT. Nuclear magnetic resonance in superconducting tin 386

APPLE, E. F. (see Halsted, R. E.) 420

ARNS, R. G., R. E. SUND, and M. L. WIEDENBECK. Nuclear resonance fluorescence in Mg^{24} 50

ATKINSON, JOHN H., WILMOT N. HESS, VICTOR PEREZ-MENDEZ, and ROGER W. WALLACE. Neutron cross-section measurements at 4.5 Bev 168

BACCHELLA, G. L. (see Airoldi, G.) 145

BAKER, WILLIAM R. (see Allen, T. K.) 383

BALLAM, J. (see Crittenden, R. R.) 121

BARDON, M., D. BERLEY, and L. M. LEDERMAN. Asymmetry parameter in muon decay 56

_____ (see Berley, David) 357

BARGMANN, V., LOUIS MICHEL, and V. L. TELEGDI. Precession of the polarization of particles moving in a homogeneous electromagnetic field 435

BARKAS, WALTER H., NRIPENDRA N. BISWAS, DONALD A. DeLISE, JOHN N. DYER, HARRY H. HECKMAN, and FRANCIS M. SMITH. Interactions of 1.15-Bev/c K^- mesons in emulsion 466

BARNES, R. G., R. D. ENGARDT, and R. A. HULTSCH. Nuclear magnetic resonance determination of activation volume for diffusion in lithium 202

BARSHAY, SAUL. Remark on strong interactions 315; 437(E)

_____ and SHELDON L. GLASHOW. Possible determination of hyperon parities and coupling strengths 371; 437(E)

BARTON, G. Equivalence transformation of the β-decay operator 224

BATCHELOR, R. (see Litherland, A. E.) 104

BATTERMAN, BORIS W. X-ray measurement of the distribution of electrons in iron and copper 47

BEARD, DAVID B. Microwave emission from high-temperature plasmas 81

BECK, P. A. (see Wei, C. T.) 95

BERGERON, C. J., C. G. GRENIER, and J. M. REYNOLDS. Oscillatory Ettinghausen-Nernst effect 40

BERLEY, DAVID, JULIET LEE, and MARCEL BARDON. Upper limit for the decay mode $\mu \to e+\gamma$ 357

_____ (see Bardon, M.) 56

BERNARDES, N. and H. PRIMAKOFF. Theory of solid He^3 290

BERNSTEIN, JEREMY and TA-YOU WU. X-ray yields in μ-mesonic atomic transitions 404

BIONDI, MANFRED A. and M. P. GARFUNKEL. Measurement of the temperature variation of the energy gap in superconducting aluminum 143

_____ (see Chanin, L. M.) 344
BIRMAN, JOSEPH L. Polarization of fluorescence in CdS and ZnS single crystals 157
BISI, A. and L. ZAPPA. Magnetic perturbation on circular polarization of external bremsstrahlung 348
BISWAS, NRIPENDRA N. (see Barkas, Walter H.) 466
BLATT, F. J. (see Kropschot, R. H.) 91
BLOEMBERGEN, N. Solid state infrared quantum counters 84
BODANSKY, D., S. F. ECCLES, G. W. FARWELL, M. E. RICKEY, and P. C. ROBISON. Time-reversal invariance and the inverse reactions $C^{12}+\alpha \rightleftarrows N^{14}+d$ 101
BÖMMEL, H. E. and K. DRANSFELD. Attenuation of hypersonic waves in quartz 298
BOORSE, H. A. Superconducting electronic specific heats, the "exponential law," and the Bardeen, Cooper, Schrieffer theory 391
BORDONI, P. G., M. NUOVO, and L. VERDINI. Activation energy and relaxation spectrum of dislocations in copper 200
BOWERS, V. A. (see Cochran, E. L.) 43
BOYER, K., E. M. LITTLE, W. E. QUINN, G. A. SAWYER, and T. F. STRATTON. Soft x-rays from a magnetically compressed plasma in Scylla 279
BOYLE, W. S. and K. F. RODGERS. De Haas-van Alphen type oscillations in the infrared transmission of bismuth 338
_____ (see Weinreich, Gabriel) 96
BOYNE, H. S. (see Franken, P. A.) 422
BRAID, T. H. (see Burman, R. L.) 9
BRANSDEN, B. H. and R. G. MOORHOUSE. Σ^--Σ^+ mass excess 431
BRAY, P. J. (see Ring, P. J.) 64(E)
BREIT, G. Effects of atomic electrons on p-p and n-p scattering. II 401
_____ (see Hull, M. H., Jr.) 264
BROCKHOUSE, B. N. Diffusive motions in liquids and neutron scattering 287
_____ Lattice vibrations in silicon and germanium 256
BROLLEY, J. E., JR. (see Rosen, L.) 98
BROMLEY, D. A. (see McKenzie, J. M.) 303
BROUT, R. and H. SUHL. Effects of spin-orbit coupling in rare earth metals, and in solutions of rare earth metals 387
BROWNE, M. E. (see Kaplan, D. E.) 454
BRUNNER, J. H., H. J. LEISI, C. F. PERDRISAT, and P. SCHERRER. Monoenergetic positrons in the decay of Bi^{206} 207
BRUSSEL, M. K. (see Hughes, D. J.) 505
BRYANT, C. A. (see Keesom, P. H.) 260
BURBANK, R. D. and R. D. HEIDENREICH. Extended fine structure of K x-ray absorption edges in Perminvar 85
BURCH, DAVID S. (see Smith, Stephen J.) 165
BURKHARDT, J. L. Inversion of paramagnetic resonance lines in irradiated calcite 149
BURMAN, R. L., W. B. HERRMANNSFELDT, J. S. ALLEN, and T. H. BRAID. Electron-neutrino angular correlation in the beta decay of neon-23 9
BURROWES, H. C., D. O. CALDWELL, D. H. FRISCH, D. A. HILL, D. M. RITSON, and R. A. SCHLUTER. K-meson–nucleon total cross sections from 0.6 to 2.0 Bev 117
_____, D. O. CALDWELL, D. H. FRISCH, D. A. HILL, D. M. RITSON, R. A. SCHLUTER, and M. A. WAHLIG. Pion-proton resonance scattering near 900 Mev 119
BURTON, MILTON (see Dreeskamp, Herbert) 45
BUTTON, KENNETH J., LAURA M. ROTH, W. H. KLEINER, SOLOMON ZWERDLING, and BENJAMIN LAX. Fine structure in the Zeeman effect of excitons in germanium 161

CALDWELL, D. O. (see Burrowes, H. C.) 117
_____ (see Burrowes, H. C.) 119
CAPPS, RICHARD H. Many-channel unitarity condition 475
CARRUTHERS, PETER. Electrical and thermal resistivity of dislocations 336
CHANIN, L. M., A. V. PHELPS, and M. A. BIONDI. Measurement of the attachment of slow electrons in oxygen 344
CHASE, C. E. Velocity of sound in liquid helium near the λ point 197
CHENG, C. H. (see Wei, C. T.) 95
CHOYKE, W. J. (see Patrick, Lyle) 48
CINI, M., E. FERRARI, and R. GATTO. Neutron-proton mass difference by dispersion theory 7
COCHRAN, E. L., V. A. BOWERS, S. N. FONER, and C. K. JEN. Multiple trapping sites for hydrogen atoms in solid argon 43
COCHRAN, WILLIAM. Theory of the lattice vibrations of germanium 495
COHEN, L. D. and W. E. STEPHENS. Gamma-ray activation of carbon 263
COHEN, V. W., J. SCHWARTZ, and R.

NOVICK. Nuclear magnetic moment and spin of europium-152*m* 305
COLLINS, S. A., JR., R. L. KYHL, and M. W. P. STRANDBERG. Spin-lattice relaxation from state of negative susceptibility 88
CORENZWIT, C. (see Hein, R. A.) 500
CRANE, H. R. (see Nelson, D. F.) 492
CRAWFORD, FRANK S., JR., MARCELLO CRESTI, ROGER L. DOUGLASS, MYROL L. GOOD, GEORGE R. KALBFLEISCH, and M. LYNN STEVENSON. Three-body decays of K_2^0 and K_1^0 361
_____, MARCELLO CRESTI, ROGER L. DOUGLASS, MYRON L. GOOD, GEORGE R. KALBFLEISCH, M. LYNN STEVENSON, and HAROLD K. TICHO. Evidence for the $\Delta I = \frac{1}{2}$ rule 266
_____, MARCELLO CRESTI, MYRON L. GOOD, FRANK T. SOLMITZ, and M. LYNN STEVENSON. Further search for parity nonconservation in associated production 11
_____, MARCELLO CRESTI, MYRON L. GOOD, FRANK T. SOLMITZ, M. LYNN STEVENSON, and HAROLD K. TICHO. Λ interactions in hydrogen 174
_____, MARCELLO CRESTI, MYRON L. GOOD, M. LYNN STEVENSON, and HAROLD K. TICHO. Experimental determination of the Λ spin 114
_____, MARCELLO CRESTI, MYRON L. GOOD, M. LYNN STEVENSON, and HAROLD K. TICHO. K^0-K^+ mass excess 112
CRESTI, MARCELLO (see Crawford, Frank S., Jr.) 11
_____ (see Crawford, Frank S., Jr.) 112
_____ (see Crawford, Frank S., Jr.) 114
_____ (see Crawford, Frank S., Jr.) 174
_____ (see Crawford, Frank S., Jr.) 266
_____ (see Crawford, Frank S., Jr.) 361
CREWE, A. V., E. GARWIN, B. LEDLEY, E. LILLETHUN, R. MARCH, and S. MARCOWITZ. Charge independence in the reactions $p+d \rightarrow \pi^0 + He^3$ and $p+d \rightarrow \pi^+ + H^3$ at 450 Mev 269
CRITTENDEN, R. R., J. H. SCANDRETT, W. D. SHEPHARD, W. D. WALKER, and J. BALLAM. π^--p scattering below 1 Bev 121
CZYŻ, W. (see de Swart, J. J.) 51

DAIL, H. W., JR. (see Galt, J. K.) 292
DALITZ, R. H. and S. F. TUAN. Possible resonant state in pion-hyperon scattering 425
DAVIS, H. F., A. ROBERTS, and T. F. ZIPF. Search for the decay $\mu^+ \rightarrow e^+ + \gamma$ 211
DAY, T. B. and G. A. SNOW. Possible explanation of hyperfragment suppression in K^--d reactions 59
_____, G. A. SNOW, and J. SUCHER. Λ^0 and Σ^0 production from the (Σ^-, d) system 468
DeLISE, DONALD A. (see Barkas, Walter H.) 466
DeMARCO, J. J. (see Weiss, R. J.) 148
de SWART, J. J., W. CZYŻ, and J. SAWICKI. Polarized nucleons from the photodisintegration of the deuteron 51
DIRAC, P. A. M. Energy of the gravitational field 368
DORAN, D. G., G. R. FOWLES, and G. A. PETERSON. Shock-wave compression of aluminum 14(E)
DOUGLASS, ROGER L. (see Crawford, Frank S., Jr.) 266
_____ (see Crawford, Frank S., Jr.) 361
DOYLE, W. T., D. J. E. INGRAM, and M. J. A. SMITH. Detection of colloidal centers in lithium hydride by electron resonance 497
DRABBLE, J. R. and R. D. GROVES. Strain-induced changes in the Seebeck coefficient of *n*-type germanium 451
DRANSFELD, K. (see Bömmel, H. E.) 298
DREESKAMP, HERBERT and MILTON BURTON. Measurement of fast luminescence decay times 45
DYER, JOHN N. (see Barkas, Walter H.) 466

EBERHARD, PHILIPPE, ARTHUR H. ROSENFELD, FRANK T. SOLMITZ, ROBERT D. TRIPP, and MASON B. WATSON. K^--hydrogen charge-exchange scattering 312
_____ (see Alvarez, Luis W.) 215
ECCLES, S. F. (see Bodansky, D.) 101
EDMONDS, D. T. and R. G. PETERSEN. Effective exchange constant in yttrium iron garnet 499
ELWYN, A. (see Alburger, D. E.) 110
ENGARDT, R. D. (see Barnes, R. G.) 202
ETZEL, H. W. and J. G. ALLARD. Color center formation in sodium chloride 452
EVERHART, E. (see Ziemba, F. P.) 299

FALGE, R. L., JR. (see Hein, R. A.) 500
FAN, H. Y. (see Fisher, P.) 456

FARWELL, G. W. (see Bodansky, D.) 101
FAUST, W. R. (see Griem, H. R.) 281
FERRARI, E. (see Cini, M.) 7
FERRELL, R. A. (see Tinkham, M.) 331
FISCHER, C. R. (see Hull, M. H., Jr.) 264
FISHER, P. and H. Y. FAN. Optical and magneto-optical absorption effects of Group III impurities in germanium 456
FONDA, LUCIANO and J. E. RUSSELL. Possible determination of $K\Lambda$ relative parity 57
FONER, S. N. (see Cochran, E. L.) 43
FOWLER, T. K. Optical model of inelastic scattering 14(E)
FOWLES, G. R. (see Doran, D. G.) 14(E)
FOX, J. D. (see Hughes, D. J.) 505
FRANKEN, P. A. and H. S. BOYNE. Effect of nuclear electric dipole moments on nuclear spin relaxation in gases 422
FRAZER, WILLIAM R. and JOSE R. FULCO. Effect of a pion-pion scattering resonance on nucleon structure 365
FREDERICKS, W. J. (see Kelly, R. L.) 389
FRISCH, D. H. (see Burrowes, H. C.) 117
_____ (see Burrowes, H. C.) 119
FUJII, T. (see Anderson, H. L.) 53; 64(A)
FULCO, JOSE R. (see Frazer, William R.) 365

GALLMANN, A. (see Alburger, D. E.) 110
GALONSKY, A., H. B. WILLARD, and T. A. WELTON. S-wave detector of deuteron polarization and 14-Mev polarized-neutron source 349
GALT, J. K., F. R. MERRITT, W. A. YAGER, and H. W. DAIL, JR. Cyclotron resonance effects in zinc 292
GARBER, M. (see Kropschot, R. H.) 91
GARFUNKEL, M. P. (see Biondi, Manfred A.) 143
GARWIN, E. (see Crewe, A. V.) 269
GARWIN, R. L., D. P. HUTCHINSON, S. PENMAN, and G. SHAPIRO. Precise determination of the muon magnetic moment 213; 516(E)
GASIOROWICZ, S. G., D. R. YENNIE, and H. SUURA. Magnitude of renormalization constants 513
GATTO, R. (see Cini, M.) 7
GAVENDA, J. D. (see Morse, R. W.) 250
GELLES, I. L. (see Smith, W. V.) 39
GERMAGNOLI, E. (see Airoldi, G.) 145
GERRITSEN, H. J., S. E. HARRISON, H. R. LEWIS, and J. P. WITTKE. Fine structure, hyperfine structure, and relaxation times of Cr^{3+} in TiO_2 (rutile) 153
GETTNER, M., L. HOLLOWAY, D. KRAUS, K. LANDE, E. LEBOY, W. SELOVE, and R. SIEGEL. Measurement of the π^0 mass, and search for a π_0^0 471
GLASHOW, SHELDON L. (see Barshay, Saul) 371; 437(E)
GLASSGOLD, A. E. and K. R. GREIDER. Generalized diffraction theory for very-high-energy collisions 169
GLICKSMAN, M. and M. C. STEELE. Plasma pinch effects in indium antimonide 461
GOBELI, G. W. (see MacKay, J. W.) 146
GOOD, MYRON L. (see Alvarez, Luis W.) 215
_____ (see Crawford, Frank S., Jr.) 11
_____ (see Crawford, Frank S., Jr.) 112
_____ (see Crawford, Frank S., Jr.) 114
_____ (see Crawford, Frank S., Jr.) 174
_____ (see Crawford, Frank S., Jr.) 266
_____ (see Crawford, Frank S., Jr.) 361
GOVE, H. E. (see Litherland, A. E.) 104
GRAZIANO, WILLIAM (see Alvarez, Luis W.) 215
GREIDER, K. R. (see Glassgold, A. E.) 169
GRENIER, C. G. (see Bergeron, C. J.) 40
GRIEM, H. R., A. C. KOLB, and W. R. FAUST. Bremsstrahlung from dense plasmas 281
GRODZINS, L. and A. W. SUNYAR. Evidence concerning the spin and parity of Eu^{152m} 307
GROVES, R. D. (see Drabble, J. R.) 451
GUPTA, SURAJ N. Theory of spin-orbit interaction in nuclear forces 124

HALSTED, R. E., E. F. APPLE, and J. S. PRENER. Two-stage optical excitation in sulfide phosphors 420
HARRICK, N. J. Properties of a semiconductor surface as determined from a modified drift mobility experiment 199
HARRIS, E. G. Unstable plasma oscillations in a magnetic field 34
HARRISON, S. E. (see Gerritsen, H. J.) 153
HASKIN, D. M. (see Teucher, M. W.) 313
HEBBORN, J. E. and E. H. SONDHEIMER. Diamagnetism of conduction electrons in metals 150
HECKMAN, HARRY H. (see Barkas, Walter H.) 466
HEIDENREICH, R. D. (see Burbank, R.D.) 85

HEIN, R. A., R. L. FALGE, JR., B. T. MATTHIAS, and C. CORENZWIT. Superconductivity versus ferromagnetism in lanthanum-gadolinium alloys 500
HERMAN, FRANK (see Lampert, Murray A.) 394
HERRMANNSFELDT, W. B. (see Burman, R. L.) 9
HESS, WILMOT N. (see Atkinson, John H.) 168
HILL, D. A. (see Burrowes, H. C.) 117
_____ (see Burrowes, H. C.) 119
HOLLOWAY, L. (see Gettner, M.) 471
HOLSTEIN, T. (see Kjeldaas, T., Jr.) 340
HONES, EDWARD W., JR. Antiparticles in space 509
HUGHES, D. J., M. K. BRUSSEL, J. D. FOX, and R. L. ZIMMERMAN. Strengths of high-energy capture gamma rays in W^{184} 505
_____ (see Palevsky, H.) 258
HULDT, LENNART. Optical method for determining carrier lifetimes in semiconductors 3
HULL, D. and H. M. ROSENBERG. Microscopy at liquid helium temperatures: phase transition in sodium 205
HULL, M. H., JR., K. D. PYATT, JR., C. R. FISCHER, and G. BREIT. Nucleon-nucleon spin-orbit interaction potential 264
HULTSCH, R. A. (see Barnes, R. G.) 202
HUTCHINSON, D. P. (see Garwin, R. L.) 213; 516(E)
HWANG, C. F., T. R. OPHEL, E. H. THORNDIKE, RICHARD WILSON, and N. F. RAMSEY. p-p triple scattering at 143 Mev 310

INGRAM, D. J. E. (see Doyle, W. T.) 497

JACCARINO, V. Direct observation of the hfs of a paramagnetic ion in an antiferromagnet. Nuclear magnetic resonance of Co^{59} in CoF_2 163
JACKSON, J. C. and H. W. WYLD, JR. Negative K meson-nucleon interaction at low energies 355
JACOBSEN, E. H. Piezoelectric production of microwave phonons 249
JEN, C. K. (see Cochran, E. L.) 43
JONES, LAWRENCE W. (see Perl, Martin L.) 116

KALBFLEISCH, GEORGE R. (see Crawford, Frank S., Jr.) 266
_____ (see Crawford, Frank S., Jr.) 361
KANE, J. V. (see Alburger, D. E.) 110
KAPLAN, D. E. and M. E. BROWNE. Electron free precession in paramagnetic free radicals 454
KARPLUS, ROBERT, LEROY KERTH, and THADDEUS KYCIA. K-meson nucleon interaction 510
KEESOM, P. H. and C. A. BRYANT. Contribution of the nucleus to the specific heat of rhenium 260
_____ (see Seidel, G.) 261
KELLY, R. L. and W. J. FREDERICKS. Polarization of photoconductivity excitation bands in CdS single crystals 389
KERMAN, A. K., H. McMANUS, and R. M. THALER. Polarization of nucleons in inelastic scattering from nuclei 172
KERNER, EDWARD H. Dynamical Feynman's theorem 152
KERTH, LEROY (see Karplus, Robert) 510
KESSLER, J. O. and A. R. MOORE. Magnetic susceptibility of photogenerated current carriers in germanium 247
KINOSHITA, TOICHIRO. Radiative corrections to π-e decay 477
_____ and ALBERTO SIRLIN. Radiative decay of the muon 177
KISS, Z. J. and H. L. WELSH. Pressure-induced infrared absorption of mixtures of rare gases 166
KJELDAAS, T., JR. and T. HOLSTEIN. Oscillatory magneto-acoustic effect in metals 340
KLEIN, A. (see Tzoar, N.) 433
KLEINER, W. H. and L. M. ROTH. Deformation potential in germanium from optical absorption lines for exciton formation 334
_____ (see Button, Kenneth J.) 161
KLEY, W. (see Palevsky, H.) 258
_____ (see Pelah, I.) 94
KLICK, CLIFFORD C. Energy-level positions of silver luminescent centers in sulfides 418
KLONTZ, E. E. (see MacKay, J. W.) 146
KNIGHT, W. D. (see Androes, G. M.) 386
KNOX, R. S. Inversion symmetry of the M center 87
KNOX, W. J., A. R. QUINTON, and C. E. ANDERSON. Emission of alpha particles

from a compound system of high angular momentum 402
KOHN, WALTER. Image of the Fermi surface in the vibration spectrum of a metal 393
_____ (see Ambegaokar, Vinay) 385
KOLB, A. C. (see Griem, H. R.) 281
KRAUS, D. (see Gettner, M.) 471
KROPSCHOT, R. H., M. GARBER, and F. J. BLATT. Influence of cold work on the resistivity of dilute copper alloys 91
KYCIA, THADDEUS (see Karplus, Robert) 510
KYHL, R. L. (see Collins, S. A., Jr.) 88

LAMPERT, MURRAY A., FRANK HERMAN, and M. C. STEELE. Role of single phonon emission in low-field breakdown of semiconductors at low temperatures 394
LANDE, K. (see Gettner, M.) 471
LANDOVITZ, L. F. and B. MARGOLIS. Strong-coupling theory of the $S = -1$ hyperons: the Λ^0 as a bound state 318
LANE, A. M., J. E. LYNN, E. MELKONIAN, and E. R. RAE. Possible effects of nuclear shell closures on neutron strength functions 424
LAX, BENJAMIN. (see Button, Kenneth J.) 161
LeBOY, E. (see Gettner, M.) 471
LEDERMAN, L. M. (see Bardon, M.) 56
LEDLEY, B. (see Crewe, A. V.) 269
LEE, JULIET (see Berley, David) 357
LEE, T. D. and F. MOHLING. Possible determination of the helicity of elementary excitations in liquid He II 284
LEFKOWITZ, I. (see Pelah, I.) 94
LEINBACH, HAROLD and GEORGE C. REID. Ionization of the upper atmosphere by low-energy charged particles from a solar flare 61
LEISI, H. J. (see Brunner, J. H.) 207
LEMPICKI, A. Polarization of fluorescence in ZnS and CdS single crystals 155
LEWIS, H. R. (see Gerritsen, H. J.) 153
LILLETHUN, E. (see Crewe, A. V.) 269
LIN, C. C. Hydrodynamics of liquid helium II 245
LIPKIN, HARRY J. Collective description of electron interactions without subsidiary conditions 159
LITHERLAND, A. E., E. ALMQVIST, R. BATCHELOR, and H. E. GOVE. Neutron spectra from $Be^9(He^3,n)C^{11}$ and $Be^9(He^4,n)C^{12}$ using pulse shape discrimination in an organic scintillator 104
LITTLE, E. M. (see Boyer, K.) 279
LOHRMANN, E. (see Teucher, M. W.) 313
LONG, DONALD (see Nussbaum, Allen) 6
LOOS, H. G. Heating and confinement of a plasma by a magnetic field of external origin and with a short rise time 282
LOVE, W. A., S. MARDER, I. NADELHAFT, R. T. SIEGEL, and A. E. TAYLOR. Helicity of negative muons from pion decay 107
LOWE, I. J. Free induction decays of rotating solids 285
LUNDY, R. A. (see Swanson, R. A.) 430
LÜTHI, B. Longitudinal magnetoresistance of metals in high fields 503
LYNN, J. E. (see Lane, A. M.) 424

MacARTHUR, J. W. Theory of the origin of the very low-frequency radio-emissions from the earth's exosphere 491
MACFARLANE, G. G., T. P. McLEAN, J. E. QUARRINGTON, and V. ROBERTS. Some effects of strain of thin specimens on absorption measurements at low temperature 252
MacGREGOR, MALCOLM H. p-p S-wave phase shifts from a boundary condition potential 106
MacKAY, J. W., E. E. KLONTZ, and G. W. GOBELI. Thermal and radiation annealing of Ge 146
MADANSKY, L. and G. E. OWEN. Production of polarized proton beams 209
MALLMANN, C. A. System of levels in even-even nuclei 507
MARCH, R. (see Crewe, A. V.) 269
MARCOWITZ, S. (see Crewe, A. V.) 269
MARDER, S. (see Love, W. A.) 107
MARGOLIS, B. (see Landovitz, L. F.) 318
MARSHAK, R. E. (see Okubo, S.) 12
MATTHEWS, P. T. and ABDUS SALAM. Evidence for resonance states in the K^--N system 226
MATTHIAS, B. T. (see Hein, R. L.) 5
_____ (see Suhl, H.) 500

McCAUSLAND, M. A. H. (see Abraham, M.) 449
McKENZIE, J. M. and D. A. BROMLEY. Observation of charged-particle reaction products 303

McLEAN, T. P. (see Macfarlane, G. G.) 252
McMANUS, H. (see Kerman, A. K.) 172
MEISSNER, HANS. Range of order of superconducting electrons 458
MELKONIAN, E. (see Lane, A. M.) 424
MERRITT, F. R. (see Galt, J. K.) 292
MICHEL, LOUIS (see Bargmann, V.) 435
MILLER, R. H. (see Anderson, H. L.) 53; 64(A)
MILLER, ROBERT C. and ALBERT SAVAGE. Direct observation of antiparallel domains during polarization reversal in single-crystal barium titanate 294
MOHLING, F. (see Lee, T. D.) 284
MONTGOMERY, DAVID. Development of hydromagnetic shocks from large-amplitude Alfvén waves 36
MOORE, A. R. (see Kessler, J. O.) 247
MOORHOUSE, R. G. (see Bransden, B. H.) 431
MORAVCSIK, MICHAEL J. Evidence from photoproduction for a pseudoscalar K^+ meson 352
_____ Second resonance in pion photoproduction 171
MORRIS, R. J. (see Siegman, A. E.) 302
MORSE, R. W. and J. D. GAVENDA. Magnetic oscillations of ultrasonic attenuation in a copper crystal at low temperatures 250
MÜLLER, K. ALEXANDER. Electron paramagnetic resonance of manganese IV in $SrTiO_3$ 341
MYERS, JOHN (see Nussbaum, Allen) 6

NADELHAFT, I. (see Love, W. A.) 107
NATHANS, R. and A. PAOLETTI. Magnetic form factor of cobalt 254
NAUENBERG, MICHAEL. Resonances in the π-hyperon system 351
NELSON, D. F., A. A. SCHUPP, R. W. PIDD, and H. R. CRANE. Search for an electric dipole moment of the electron 492
NEUGEBAUER, G., W. D. WALES, and R. L. WALKER. π^-/π^+ ratio from deuterium in photoproduction at 500-1000 Mev 429
NOVICK, R. (see Cohen, V. W.) 305
NUSSBAUM, ALLEN, JOHN MYERS, and DONALD LONG. Effect of hydrostatic pressure on the anomalous Hall coefficient reversal in single crystal tellurium 6

OFER, S. (see Alburger, D. E.) 110
O'KEEFE, J. G. (see Ring, P. J.) 64(E)
OKUBO, S., R. E. MARSHAK, and E. C. G. SUDARSHAN. Isotopic spin selection rules and K_2^0 decay 12
ONEDA, S. and J. C. PATL. V-A four-fermion interaction and the intermediate charged vector meson 125
OPHEL, T. R. (see Hwang, C. F.) 310
OWEN, G. E. (see Madansky, L.) 209

PALEVSKY, H., D. J. HUGHES, W. KLEY, and E. TUNKELO. Lattice vibrations in silicon by scattering of cold neutrons 258
PANOFSKY, W. K. H. and A. N. SAXENA. Search for enhancement of bremsstrahlung produced by 575-Mev electrons in a single crystal of silicon 219
PAOLETTI, A. (see Nathans, R.) 254
PATI, J. C. (see Oneda, S.) 125
PATRICK, LYLE and W. J. CHOYKE. Electron emission from breakdown regions in SiC p-n junctions 48
PELAH, I., I. LEFKOWITZ, W. KLEY, and E. TUNKELO. Observations of hydrogen vibration frequencies in phosphates by means of inelastic scattering of cold neutrons 94
PENMAN, S. (see Garwin, R. L.) 213; 516(E)
PERDRISAT, C. F. (see Brunner, J. H.) 207
PEREZ-MENDEZ, VICTOR (see Atkinson, John H.) 168
PERL, MARTIN L. and LAWRENCE W. JONES. Photography of cosmic rays in a luminescent chamber 116
PETERMANN, A. and Y. YAMAGUCHI. Corrections to the $3D$-$2P$ transitions in μ-mesonic phosphorus and the mass of the muon 359
PETERSEN, R. G. (see Edmonds, D. T.) 499
PETERSON, G. A. (see Doran, D. G.) 14(E)
PHELPS, A. V. (see Chanin, L. M.) 344
PIDD, R. W. (see Nelson, D. F.) 492
PIXLEY, R. E. (see Alburger, D. E.) 110
PONDROM, LEE G. Proposal for a method of polarizing 1-Mev deuterons 346
PRENER, J. S. (see Halsted, R. E.) 420
PRIMAKOFF, H. (see Bernardes, N.) 290
PYATT, K. D., JR. (see Hull, M. H., Jr.) 264
PYLE, ROBERT V. (see Allen, T. K.) 383

QUARRINGTON, J. E. (see Macfarlane, G. G.) 252
QUINN, W. E. (see Boyer, K.) 279

QUINTON, A. F. (see Knox, W. J.) 402

RAE, E. R. (see Lane, A. M.) 424
RAMSEY, N. F. (see Hwang, C. F.) 310
RAPHAEL, R. (see Tzoar, N.) 433
REAGAN, DARYL. Fast ion heating 82
REEVES, HUBERT. Astronomical tests of the existence of Li^4 423
REID, GEORGE C. (see Leinbach, Harold) 61
REYNOLDS, J. M. (see Bergeron, C. J.) 40
RICKAYZEN, G. Collective excitations and the Meissner effect 90
RICKEY, M. E. (see Bodansky, D.) 101
RING, P. J., J. G. O'KEEFE, and P. J. BRAY. Li^7 and F^{19} nuclear magnetic resonances in neutron-irradiated LiF 64(E)
RITSON, D. M. (see Burrowes, H. C.) 117
_____ (see Burrowes, H. C.) 119
ROBERTS, A. (see Davis, H. F.) 211
ROBERTS, V. (see Macfarlane, G. G.) 252
ROBINSON, F. N. H. (see Abraham, M.) 449
ROBISON, P. C. (see Bodansky, D.) 101
RODGERS, K. F. (see Boyle, W. S.) 338
_____ (see Weinreich, Gabriel) 96
ROSEN, L. and J. E. BROLLEY, JR. Time-reversal invariance and parity conservation in strong interactions 98
ROSENBERG, H. M. (see Hull, D.) 205
ROSENFELD, ARTHUR H., FRANK T. SOLMITZ, and ROBERT D. TRIPP $\bar{K}^0$-K^- mass excess 110
_____ (see Eberhard, Philippe) 312
ROTH, LAURA M. (see Button, Kenneth J.) 161
_____ (see Kleiner, W. H.) 334
ROY, P. K. Low-energy application of relativistic K-meson–nucleon dispersion relations 364
RUSSELL, J. E. (see Fonda, Luciano) 57

SALAM, ABDUS. γ_5-symmetrization 127
_____ (see Matthews, P. T.) 226
SAVAGE, ALBERT (see Miller, Robert C.) 294
SAWICKI, J. (see de Swart, J. J.) 51
SAWYER, G. A. (see Boyer, K.) 279
SAXENA, A. N. (see Panofsky, W.K.H.) 219
SCANDRETT, J. H. (see Crittenden, R. R.) 121
SCHERRER, P. (see Brunner, J. H.) 207
SCHIRBER, J. E. and C. A. SWENSON. Superconductivity of β mercury 296
SCHEIN, MARCEL (see Teucher, M. W.) 313
SCHLEIN, PETER E. Nonmesonic/mesonic decay ratio of helium hyperfragments 220
SCHLUTER, R. A. (see Burrowes, H. C.) 117
_____ (see Burrowes, H. C.) 119
SCHNEIDER, JÜRGEN. Stimulated emission of radiation by relativistic electrons in a magnetic field
SCHULZ-DuBOIS, E. O. (see Scovil, H. E. D.) 262
SCHUPP, A. A. (see Nelson, D. F.) 492
SCHWARTZ, J. (see Cohen, V. W.) 305
SCOVIL, H. E. D. and E. O. SCHULZ-DuBOIS. Three-level masers as heat engines 262
SEIDEL, G. and P. H. KEESOM. Nuclear specific heat of gallium and zinc 261
SEIWATZ, HENRY. Measurement of dielectric surface charge density 398
SELOVE, W. (see Gettner, M.) 471
SHAO, PAT. Measurement of dielectric surface charge density and total charge density of a condenser 41
SHAPIRO, G. (see Garwin, R. L.) 213; 516(E)
SHEPHARD, W. D. (see Crittenden, R.R.) 121
SHIREN, N. S. and E. B. TUCKER. Spin-phonon interaction in ruby 206
SHULMAN, R. G. Observation of the Co^{59} nuclear magnetic resonance in paramagnetic salts 459
SIEGEL, R. T. (see Gettner, M.) 471
_____ (see Love, W. A.) 107
SIEGMAN, A. E. and R. J. MORRIS. Proposal for a "staircase" maser 302
SIRLIN, ALBERTO (see Kinoshita, Toichiro) 177
SMITH, FRANCIS M. (see Barkas, Walter H.) 466
SMITH, M. J. A. (see Doyle, W. T.) 497
SMITH, STEPHEN J. and DAVID S. BURCH. Photodetachment cross section of the negative hydrogen ion 165
SMITH, W. V., I. L. GELLES, and P. P. SOROKIN. Electron spin resonance of acceptor states in diamond 39
SNOW, G. A. (see Day, T. B.) 59
_____ (see Day, T. B.) 468
SOLMITZ, FRANK T. (see Crawford, Frank S., Jr.) 11
_____ (see Crawford, Frank S., Jr.) 174
_____ (see Eberhard, Philippe) 312
_____ (see Rosenfeld, Arthur H.) 110
SOLOMON, I. Rotary spin echoes 301
SONDHEIMER, E. H. (see Hebborn, J. E.) 150
SOROKIN, P. P. (see Smith, W. V.) 39
STECH, BERTHOLD. γ_5-invariance and

strong interactions 63
STEELE, M. C. (see Glicksman, M.) 461
_____ (see Lampert, Murray A.) 394
STEIN, P. C. Polarization of recoil protons from the photoproduction of π^0 mesons from hydrogen 473
STEPHENS, W. E. (see Cohen, L. D.) 263
STEVENSON, LYNN (see Crawford, Frank S., Jr.) 11
_____ (see Crawford, Frank S., Jr.) 112
_____ (see Crawford, Frank S., Jr.) 114
_____ (see Crawford, Frank S., Jr.) 174
_____ (see Crawford, Frank S., Jr.) 266
_____ (see Crawford, Frank S., Jr.) 361
STRANDBERG, M. W. P. (see Collins, S. A.) 88
STRATTON, T. F. (see Boyer, K.) 279
STUART, G. W. Satellite-measured radiation 417
SUCHER, J. (see Day, T. B.) 468
SUDARSHAN, E. C. G. (see Okubo, S.) 12
SUHL, H. and B. T. MATTHIAS. Exchange scattering in superconductors 5
_____ (see Brout, R.) 387
SUMI, M. Excitation of oscillations in a plasma layer 37
SUND, R. E. (see Arns, R. G.) 50
SUNYAR, A. W. (see Grodzins, L.) 307
SUURA, H. (see Gasiorowicz, S. G.) 513
SWANSON, R. A., R. A. LUNDY, V. L. TELEGDI, and D. D. YOVANOVITCH. Redetermination of the μ^+ mean life 430
SWENSON, C. A. (see Schirber, J. E.) 296

TAU, L. (see Anderson, H. L.) 53; 64(A)
TAYLOR, A. E. (see Love, W. A.) 107
TELEGDI, V. L. (see Bargmann, V.) 435
_____ (see Swanson, R. A.) 430
TEUCHER, M. W., E. LOHRMANN, D. M. HASKIN, and MARCEL SCHEIN. Nuclear interaction of a proton of about 10^{15} ev producing an electron-photon cascade of 2.4×10^{13} ev 313
THALER, R. M. (see Kerman, A. K.) 172
THORNDIKE, E. H. (see Hwang, C. F.) 310
TICHO, HAROLD K. (see Alvarez, Luis W.) 215
_____ (see Crawford, Frank S., Jr.) 112
_____ (see Crawford, Frank S., Jr.) 114
_____ (see Crawford, Frank S., Jr.) 174
_____ (see Crawford, Frank S., Jr.) 266
TINKHAM, M. and R. A. FERRELL. Determination of the superconducting skin depth from the energy gap and sum rule 331
TRIPP, ROBERT D. (see Eberhard, Philippe) 312
_____ (see Rosenfeld, Arthur H.) 110
TUAN, S. F. (see Dalitz, R. H.) 425
TUCKER, E. B. (see Shiren, N. S.) 206
TUNKELO, E. (see Palevsky, H.) 258
_____ (see Pelah, I.) 94
TZOAR, N., R. RAPHAEL, and A. KLEIN. Meson-theoretical origin of the spin-orbit coupling between two nucleons 433

WAHLIG, M. A. (see Burrowes, H. C.) 119
WALES, W. D. (see Neugebauer, G.) 429
WALKER, R. L. (see Neugebauer, G.) 429
WALKER, W. D. (see Crittenden, R. R.) 121
WALLACE, ROGER W. (see Atkinson, John H.) 168
WATSON, MASON B. (see Eberhard, Philippe) 312
WEI, C. T., C. H. CHENG, and P. A. BECK. Low-temperature specific heats of body-centered cubic Cr-Fe and Cr-Mn alloys 95
WEIBEL, ERICH S. Spontaneously growing transverse waves in a plasma due to an anisotropic velocity distribution 83
WEINBERG, STEVEN. Nature of the vector interaction in μ^--absorption 223
WEINREICH, GABRIEL, W. S. BOYLE, HARRY G. WHITE, and K. F. RODGERS. Valley-orbit splitting of arsenic donor ground state in germanium 96
WEISS, R. J. and J. J. DeMARCO. X-ray measurement of the distribution of electrons in iron and copper 148
WELSH, H. L. (see Kiss, Z. J.) 166
WELTON, T. A. (see Galonsky, A.) 349
WENTZEL, GREGOR. Problem of gauge invariance in the theory of the Meissner effect 33
WHEELER, R. G. Multiplet structure of excitons in CdS 463
WHITE, HARRY G. (see Weinreich, Gabriel) 96
WHITE, ROBERT L. Ferrimagnetic resonance line widths, and g-factors in ferrites 465
WHITFIELD, G. D. Theory of electron-phonon interactions 204
WIEDENBECK, M. L. (see Arns, R. G.) 50

WILCOX, JOHN M. (see Allen, T. K.) 383
WILLARD, H. B. (see Galonsky, A.) 349
WILSON, RICHARD (see Hwang, C. F.) 310
WITTKE, J. P. (see Gerritsen, H. J.) 153
WOJCICKI, STANLEY G. (see Alvarez, Luis W.) 215
WONG, DAVID Y. One-meson contribution to the deuteron quadrupole moment 406
WU, TA-YOU (see Bernstein, Jeremy) 404
WYLD, H. W., Jr. (see Jackson, J. C.) 355

YAGER, W. A. (see Galt, J. K.) 292
YAMAGUCHI, Y. (see Petermann, A.) 359
YENNIE, D. R. (see Gasiorowicz, S. G.) 513
YNTEMA, J. L. and B. ZEIDMAN. Inelastic deuteron scattering from Cu^{63} and Cu^{65} 309
YOVANOVITCH, D. D. (see Swanson, R.A.) 430

ZAPPA, L. (see Bisi, A.) 348
ZEIDMAN, B. (see Yntema, J. L.) 309
ZIEMBA, F. P. and E. EVERHART. Resonance phenomena in large-angle helium ion-helium atom collisions 299
ZIMMERMAN, R. L. (see Hughes, D. J.) 505
ZIPF, T. F. (see Davis, H. F.) 211
ZWERDLING, SOLOMON (see Button, Kenneth J.) 161